

Title: DEUTERATED GLUCOSE OR FAT
 TOLERANCE TESTS FOR HIGH-THROUGHPUT
 MEASUREMENTS OF THE METABOLISM OF
 SUGARS OR FATTY ACIDS IN THE BODY
 Appln. No: Not Yet Assigned
 Filed: Concurrently Herewith
 Docket No.: 416272005200 Sheet 1 of 6

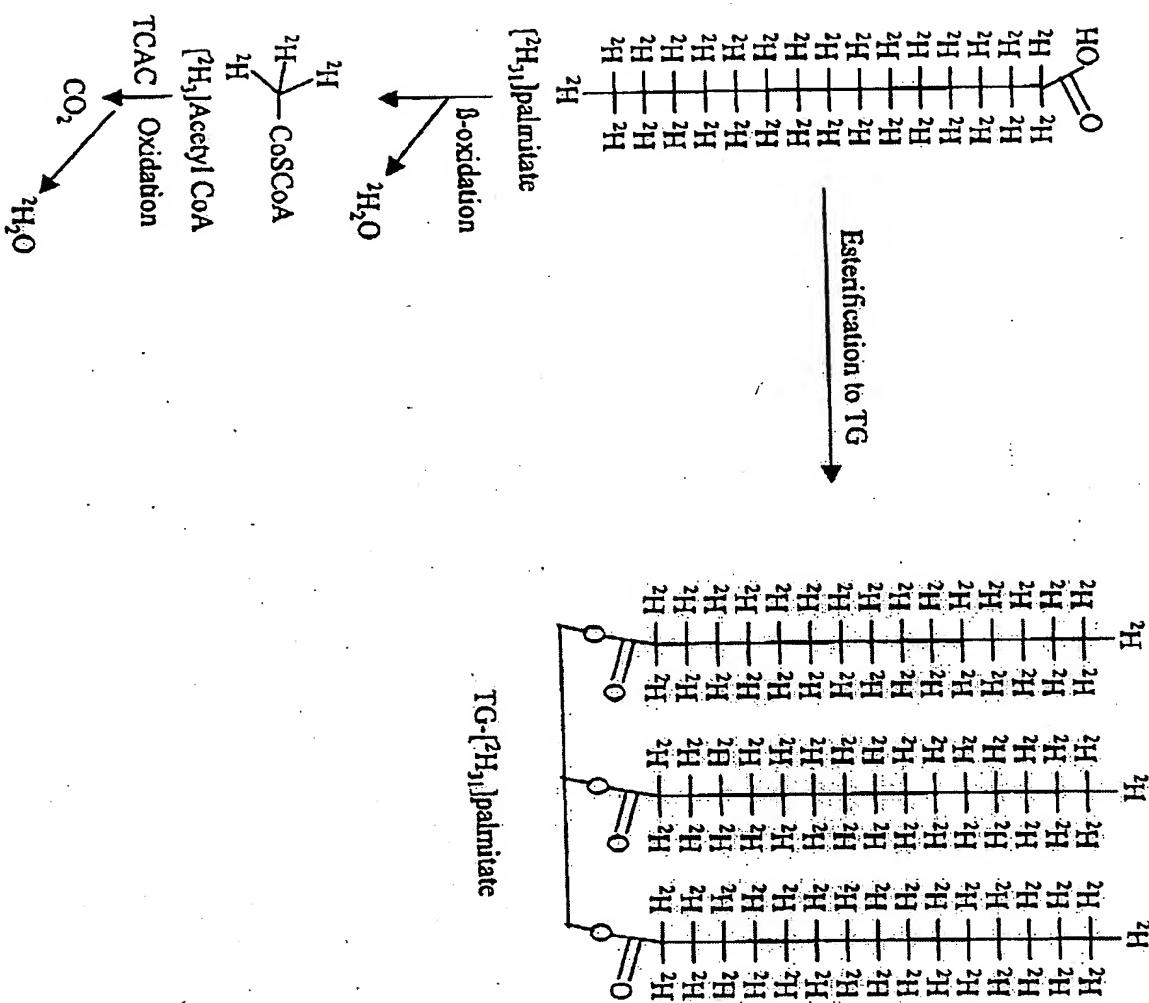


Fig. 1. Fates of ^2H -attached to fatty acids in cells

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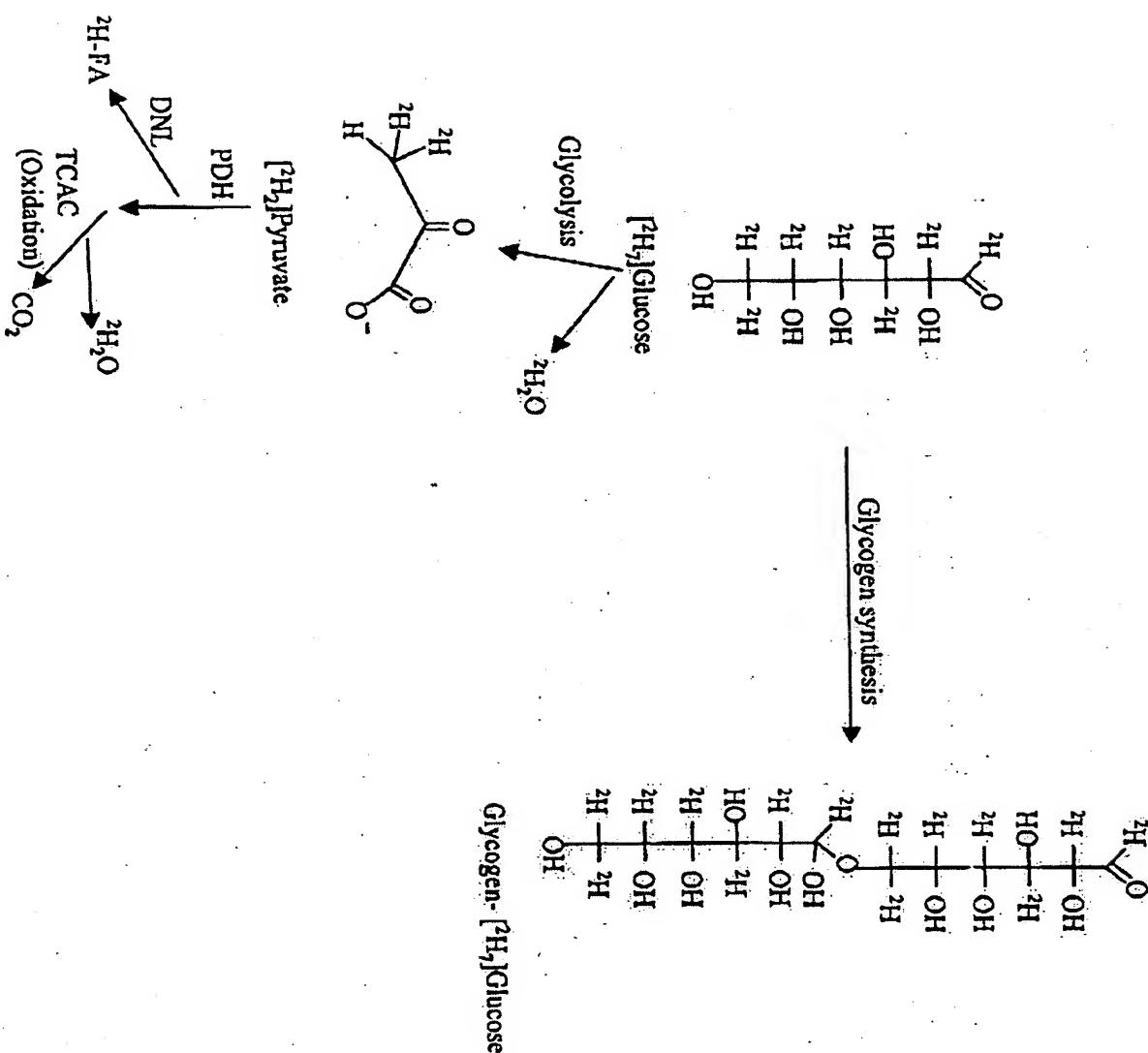
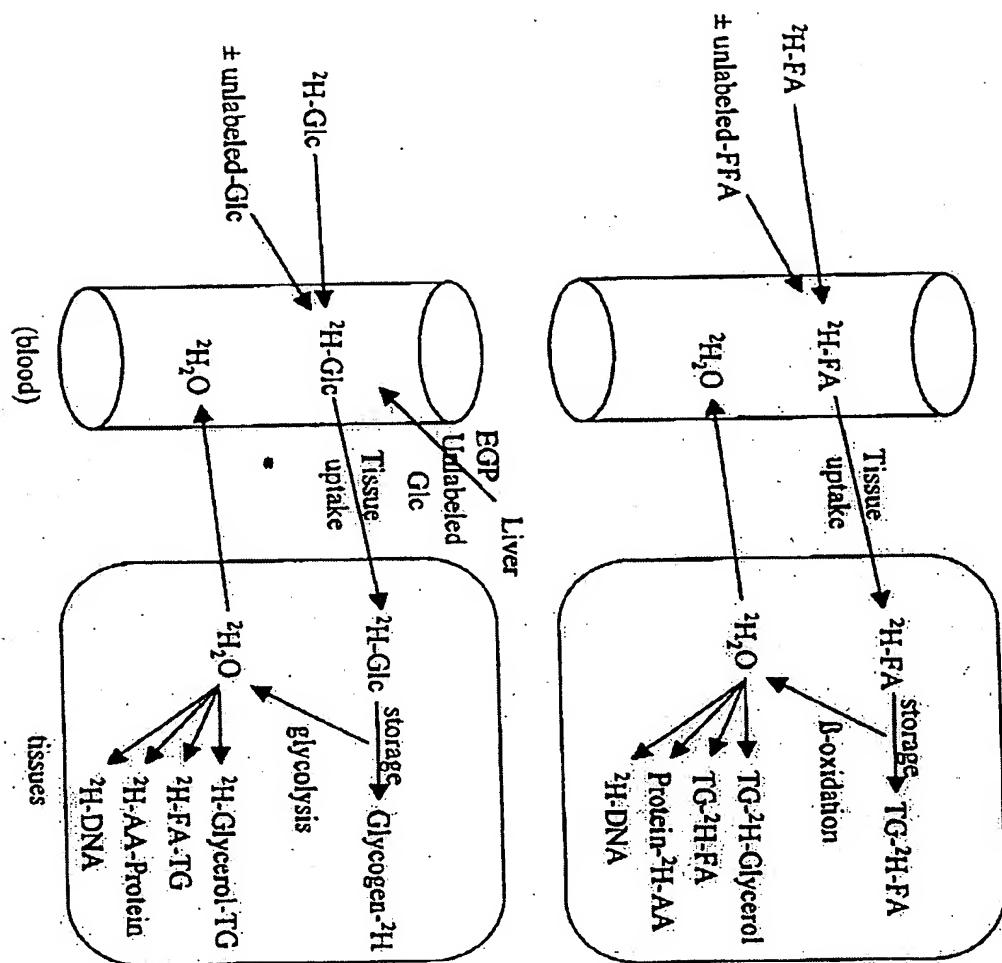


Fig. 2. Fates of 2H -attached to glucose in cells

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F.A., fatty acid; Glc, glucose; TG, triacylglycerol; AA, amino acid;
 EGP, endogenous glucose production (liver)

Fig. 3. Schematic model of ²H-glucose or ²H-FA tolerance test

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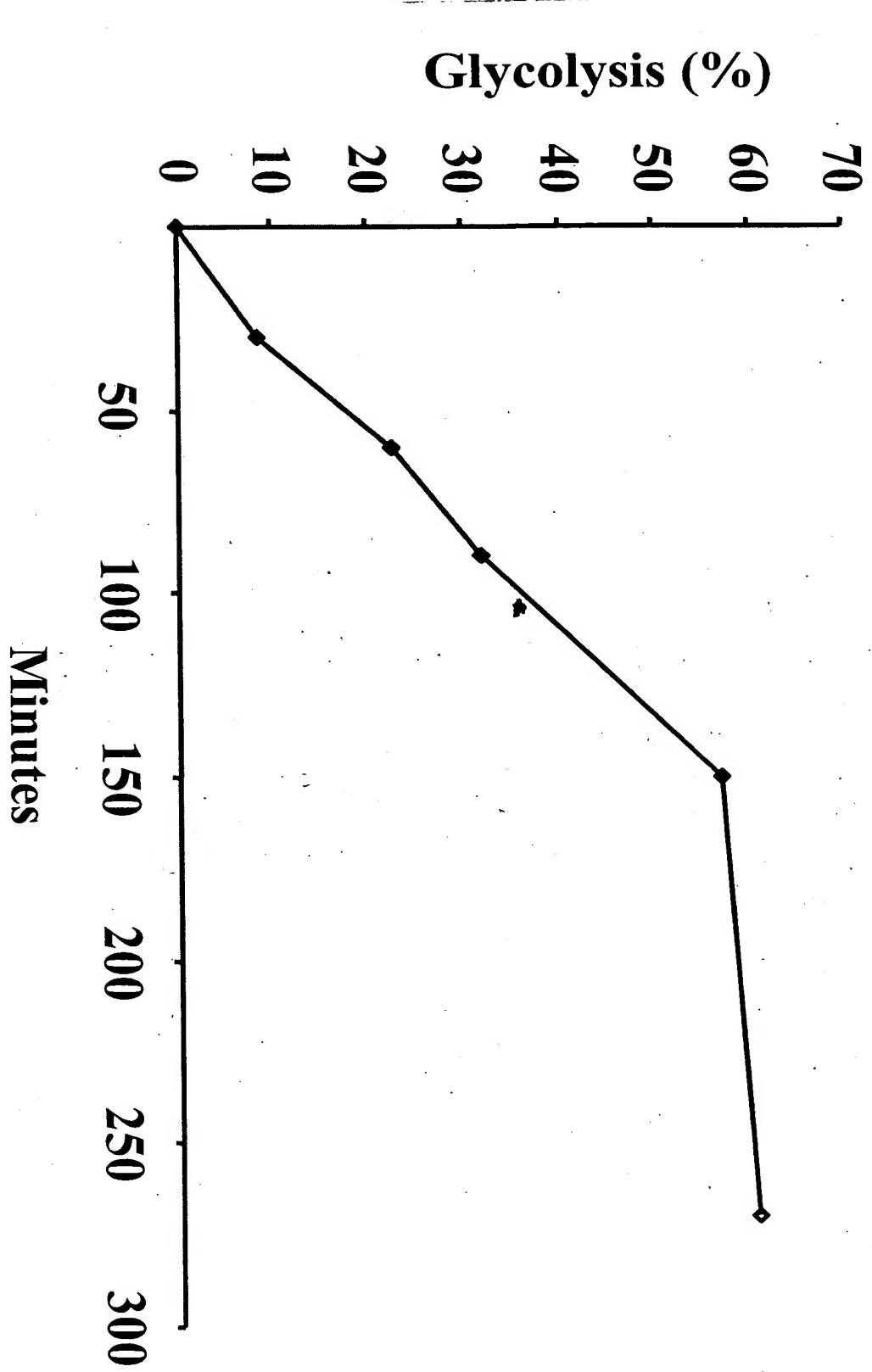


Figure 4: Kinetic Oral Glucose Tolerance Test: Glycolytic disposal of glucose in a Normal Human Subject

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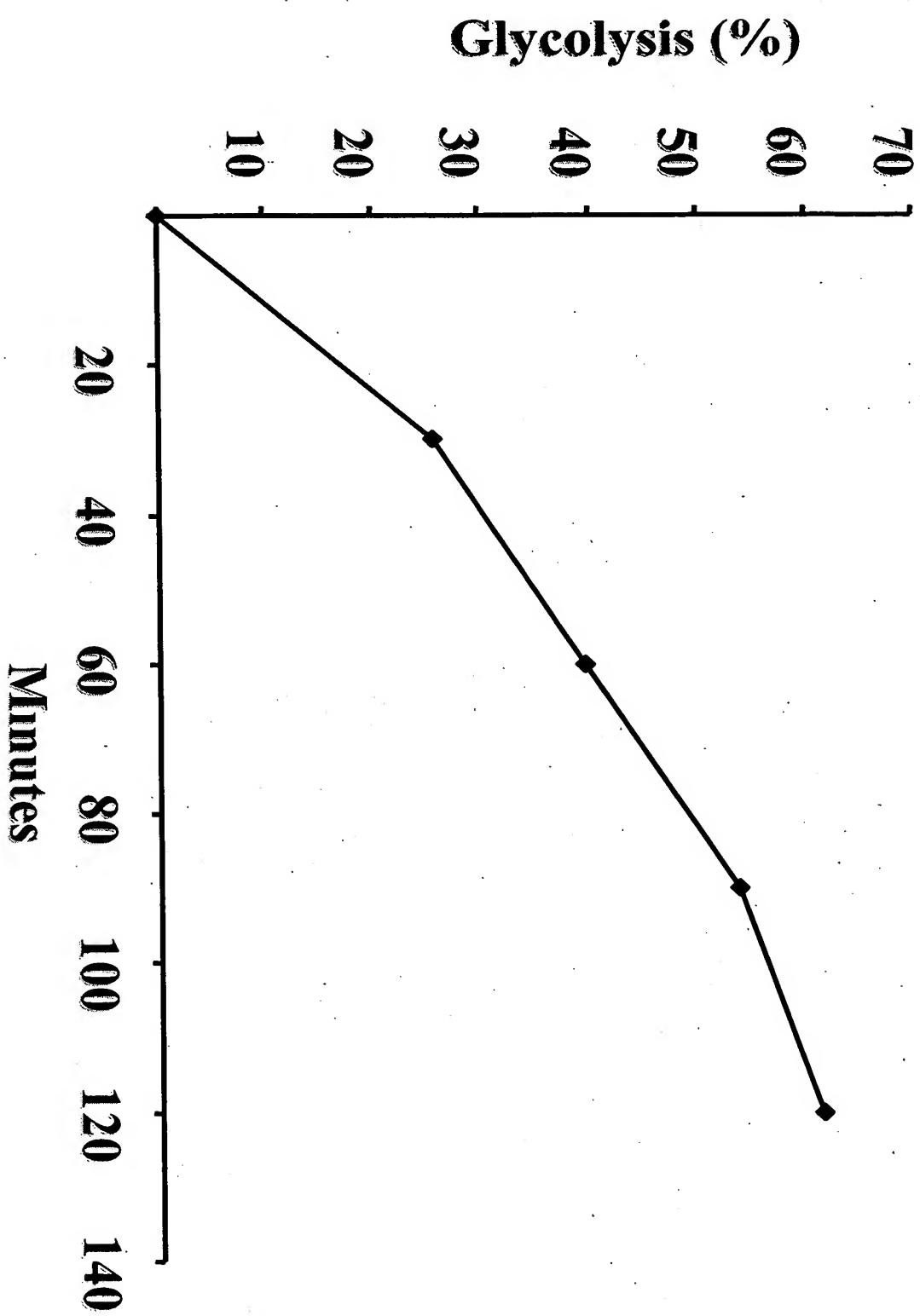


Figure 5: Kinetic Oral Glucose Tolerance Test: Glycolytic disposal of glucose in a Normal Mouse

Figure 6: Kinetic Oral Glucose Tolerance Test: glycolytic disposal of glucose in a Normal Rat

